

WHAT IS CLAIMED IS:

Sub. 7
Q5
1 1. A transparent, elastic and free standing compound for the manufacture of candles,
2 comprising:

3 a hydrocarbon oil in a proportion of from about 75 to about 88 in weight percent; and

4 at least one copolymer selected from the group of triblock polymers and diblock
5 polymers in a proportion of from about 12 to about 25 in weight percent, the weight percent of
6 the hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a
7 mixture of the hydrocarbon oil and the at least one copolymer, a viscosity of the hydrocarbon oil
8 being at least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the viscosity of the
9 hydrocarbon oil being greater than 32 CST@ at 40°C (104°F), and the flash point of the
10 hydrocarbon oil being greater than 220°C (425°F).

1 2. The transparent, elastic and free standing compound for the manufacture of candles as
2 set forth in claim 1, further comprised of the viscosity of the hydrocarbon oil being 340 SUS@ at
3 37° C (100°F) and, when measured in CST@, the viscosity of the hydrocarbon oil being 67.8
4 CST@ at 40° C (104°F).

1 3. The transparent, elastic and free standing compound for the manufacture of candles as
2 set forth in claim 1, further comprised of the flash point of the hydrocarbon oil being at 240°C
3 (464°F).

1 Sub. 4. The transparent, elastic and free standing compound for the manufacture of candles as
2 A5 set forth in claim 1, further comprised of the copolymer being a triblock copolymer of "Kraton®
3 G 1652".

1 5. The transparent, elastic and free standing compound for the manufacture of candles as
2 set forth in claim 1, further comprised of the hydrocarbon oil being 83.8 weight percent and the
3 at least one copolymer being 16.2 weight percent of the mixture of the hydrocarbon oil and the at
4 least one copolymer.

1 6. A transparent, elastic and free standing compound for the manufacture of candles,
2 comprising:

3 a hydrocarbon oil in a proportion of from 73 to 88 in weight percent; and

4 at least one copolymer selected from the group of triblock polymers and diblock
5 polymers in a proportion of from 12 to 27 in weight percent, the weight percent of the
6 hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a
7 mixture of the hydrocarbon oil and the at least one copolymer, a viscosity of the hydrocarbon oil
8 being at least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the viscosity of the
9 hydrocarbon oil being greater than 32 CST@ at 40°C (104°F), and the flash point of the
10 hydrocarbon oil being greater than 220°C (425°F).

8/25
1 7. The transparent, elastic and free standing compound for the manufacture of candles as
2 set forth in claim 6, further comprised of the viscosity of the hydrocarbon oil being 340 SUS@ at
3 37° C (100°F) and, when measured in CST@, the viscosity of the hydrocarbon oil being 67.8
4 CST @ at 40° C (104°F).

1 8. The transparent, elastic and free standing compound for the manufacture of candles as
2 set forth in claim 6, further comprised of the flash point of the hydrocarbon oil being at 240°C
3 (464°F).

1 9. The transparent, elastic and free standing compound for the manufacture of candles as
2 set forth in claim 6, further comprised of the copolymer being a triblock copolymer of "Kraton®
3 G 1652".

1 10. The transparent, elastic and free standing compound for the manufacture of candles
2 as set forth in claim 6, further comprised of the hydrocarbon oil being 83.8 weight percent and
3 the at least one copolymer being 16.2 weight percent of the mixture of the hydrocarbon oil and
4 the at least one copolymer.

1 11. A transparent, elastic and free standing compound, comprising:
2 a hydrocarbon oil in a proportion of about 75 to about 88 in weight percent; and

at least one copolymer selected from the group of triblock polymers and diblock polymers in a proportion of from about 12 to about 25 in weight percent, the weight percent of the hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a mixture of the hydrocarbon oil and the at least one copolymer, a viscosity of the hydrocarbon oil being at least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the viscosity of the hydrocarbon oil being greater than 32 CST @ at 40°C (104°F), and the flash point of the hydrocarbon oil being greater than 220°C (425°F).

12. The compound as set forth in claim 11, further comprised of the hydrocarbon oil being 83.8 weight percent and the at least one copolymer being 16.2 weight percent of the mixture of the hydrocarbon oil and the at least one copolymer.

13. A transparent, elastic and free standing compound, comprising:

a hydrocarbon oil in a proportion of from 73 to 88 in weight percent; and

at least one copolymer selected from the group of triblock polymers and diblock polymers in a proportion of from 12 to 27 in weight percent, the weight percent of the hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a mixture of the hydrocarbon oil and the at least one copolymer, a viscosity of the hydrocarbon oil being at least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the viscosity of the hydrocarbon oil being greater than 32 CST@ at 40°C (104°F), and the flash point of the hydrocarbon oil being greater than 220°C (425°F).

1 14. The compound as set forth in claim 13, further comprised of the hydrocarbon oil
2 being 83.8 weight percent and the at least one copolymer being 16.2 weight percent of the
3 mixture of the hydrocarbon oil and the at least one copolymer.

1 15. A transparent, elastic and free standing compound for the manufacture of candles,
consisting essentially of:

Sub
A
3
4
5
6
7
8
9
10
a hydrocarbon oil in a proportion of from 73 to 88 in weight percent; and

at least one copolymer selected from the group of triblock polymers and diblock
polymers in a proportion of from 12 to 27 in weight percent, the weight percent of the
hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a
mixture of the hydrocarbon oil and the at least one copolymer, a viscosity of the hydrocarbon oil
being at least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the viscosity of the
hydrocarbon oil being greater than 32 CST@ at 40°C (104°F), and the flash point of the
hydrocarbon oil being greater than 220°C (425°F).

1 16. The transparent, elastic and free standing compound as set forth in claim 15, wherein
2 the hydrocarbon oil is 83.8 weight percent and the at least one copolymer is 16.2 weight percent
3 of the mixture of the hydrocarbon oil and the at least one copolymer.

1 17. A transparent, elastic and free standing compound, consisting essentially of:

2 a hydrocarbon oil in a proportion of from 73 to 88 in weight percent; and

3 at least one copolymer selected from the group of triblock polymers and diblock
4 polymers in a proportion of from 12 to 27 in weight percent, the weight percent of the
5 hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a
6 mixture of the hydrocarbon oil and the at least one copolymer.

1 18. The transparent, elastic and free standing compound as set forth in claim 17, wherein
2 the hydrocarbon oil is 83.8 weight percent and the at least one copolymer is 16.2 weight percent
3 of the mixture of the hydrocarbon oil and the at least one copolymer.

1 19. A transparent, elastic and free standing compound for the manufacture of candles,
2 consisting essentially of:

3 a hydrocarbon oil in a proportion of about 75 to about 88 in weight percent; and

4 at least one copolymer selected from the group of triblock polymers and diblock
5 polymers in a proportion of from about 12 to about 25 in weight percent, the weight percent of
6 the hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a
7 mixture of the hydrocarbon oil and the at least one copolymer.

1 20. The candle as set forth in claim 19, wherein the hydrocarbon oil is 83.8 weight
2 percent and the at least one copolymer is 16.2 weight percent of the mixture of the hydrocarbon
3 oil and the at least one copolymer.

1 21. A free standing candle, comprising:

2 a hydrocarbon oil in a proportion of from about 75 to about 88 in weight percent; and

3 at least one copolymer selected from the group of triblock polymers and diblock
4 polymers in a proportion of from about 12 to about 25 in weight percent, the weight percent of
5 the hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a
6 mixture of the hydrocarbon oil and the at least one copolymer, a viscosity of the hydrocarbon oil
7 being at least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the viscosity of the
8 hydrocarbon oil being greater than 32 CST@ at 40°C (104°F), and the flash point of the
9 hydrocarbon oil being greater than 220°C (425°F), the candle maintaining a free standing
10 condition even when the candle is lit by means of a flame produced as consequence of the
11 combustion of a candlewick that extends through the candle and projects toward outside an end
12 of the candle.

1 22. The free standing candle as set forth in claim 21, further comprised of the candlewick
2 being a cotton string imbibed in an alcoholic solution of vegetal resin.

1 23. The free standing candle as set forth in claim 21, further comprised of the candlewick
2 being firmly retained in a passing hole, the passing hole being produced in the candle when the
3 mixture of the hydrocarbon oil and the copolymer is at room temperature, the passing hole

4 extending through the candle in longitudinal correspondence to an axis of symmetry etending
5 from a lower base of the candle.

24. The free standing candle as set forth in claim 21, further comprised of the candle
being formed by union of a plurality of different minor portions, each of the minor portions
being individually formed of the hydrocarbon oil in a proportion of from about 75 to about 88 in
weight percent and the at least one copolymer selected from the group of triblock polymers and
diblock polymers in a proportion of from about 12 to about 25 weight percent, the weight percent
of the hydrocarbon oil and the weight percent of the at least one copolymer being in relation to
the mixture of the hydrocarbon oil and the at least one copolymer, the viscosity of the
hydrocarbon oil being at least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the
viscosity of the hydrocarbon oil being greater than 32 CST@ at 40°C (104°F), and the flash point
of the hydrocarbon oil being greater than 220°C (425°F).

25. The free standing candle as set forth in claim 21, further comprising:
coloring essences in the mixture including the hydrocarbon oil and the at least one
copolymer.

26. The free standing candle as set forth in claim 21, further comprising:
aromatic fragrances in the mixture including the hydrocarbon oil and the at least one
copolymer.

Sub 25
36071

27. The free standing candle as set forth in claim 21, further comprising:
air bubbles in the mixture including the hydrocarbon oil and the at least one copolymer,
the air bubbles being distributed through the candle formed by the mixture.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000

28. The free standing candle as set forth in claim 21, further comprising:
decorative elements, the decorative elements being provided in the mixture forming the
candle so as to be visible from outside of the candle.

29. The free standing candle as set forth in claim 28, further comprised of the decorative
elements being arranged in the candle so as to be placed outside a portion of the candle adjacent
to the candlewick.

30. The candle as set forth in claim 21, further comprised of the hydrocarbon oil being
83.8 weight percent and the at least one copolymer being 16.2 weight percent of the mixture
including the hydrocarbon oil and the at least one copolymer.

31. A free standing candle, comprising:
a hydrocarbon oil in a proportion of from 73 to 88 in weight percent; and
at least one copolymer selected from the group of triblock polymers and diblock
polymers in a proportion of from 12 to 27 in weight percent, the weight percent of the

5 hydrocarbon oil and the weight percent of the at least one copolymer being in relation to a
mixture of the hydrocarbon oil and the at least one copolymer, a viscosity of the hydrocarbon oil
being at least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the viscosity of the
8 hydrocarbon oil being greater than 32 CST@ at 40°C (104°F), and the flash point of the
9 hydrocarbon oil being greater than 220°C (425°F), the candle maintaining a free standing
10 condition even when the candle is lit by means of a flame produced as consequence of the
11 combustion of a candlewick that extends through the candle and projects toward outside an end
12 of the candle.

1 32. The free standing candle as set forth in claim 31, further comprised of the candlewick
2 being a cotton string imbibed in an alcoholic solution of vegetal resin.

1 33. The free standing candle as set forth in claim 31, further comprised of the candlewick
2 being firmly retained in a passing hole, the passing hole being produced in the candle when the
3 mixture of the hydrocarbon oil and the copolymer is at room temperature, the passing hole
4 extending through the candle in longitudinal correspondence to an axis of symmetry etending
5 from a lower base of the candle.

1 34. The free standing candle as set forth in claim 31, further comprised of the candle
2 being formed by union of a plurality of different minor portions, each of the minor portions
3 being individually formed of the hydrocarbon oil in a proportion of from 73 to 88 in weight

4 percent and the at least one copolymer selected from the group of triblock polymers and diblock
polymers in a proportion of from 12 to 27 weight percent, the weight percent of the hydrocarbon
oil and the weight percent of the at least one copolymer being in relation to the mixture of the
7 hydrocarbon oil and the at least one copolymer, the viscosity of the hydrocarbon oil being at
8 least 180 SUS@ at 37°C (100°F) and, when viscosity is in CST@, the viscosity of the
9 hydrocarbon oil being greater than 32 CST@ at 40°C (104°F), and the flash point of the
10 hydrocarbon oil being greater than 220°C (425°F).

1 35. The free standing candle as set forth in claim 31, further comprising:
2 coloring essences in the mixture including the hydrocarbon oil and the at least one
3 copolymer.

1 36. The free standing candle as set forth in claim 31, further comprising:
2 aromatic fragrances in the mixture including the hydrocarbon oil and the at least one
3 copolymer.

1 37. The free standing candle as set forth in claim 31, further comprising:
2 air bubbles in the mixture including the hydrocarbon oil and the at least one copolymer,
3 the air bubbles being distributed through the candle formed by the mixture.

1 38. The free standing candle as set forth in claim 31, further comprising:

1 39. The free standing candle as set forth in claim 38, further comprised of the decorative
2 elements being arranged in the candle so as to be placed outside a portion of the candle adjacent
3 to the candlewick.

Add
a⁶